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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/621,760	
	Filing Date	07/17/2003	
	First Named Inventor	Lewis, David	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	>100	Attorney Docket Number	Mirus.030.09.2

ENCLOSURES (Check all that apply)		
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Mark K. Johnson
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CERTIFICATE OF TRANSMISSION/MAILING	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/621,760
Applicants : Lewis, David et al.
Filed : 07/17/2003
Art Unit :
Examiner :

Docket No. : Mirus.030.09.2

For: **COMPOSITIONS AND PROCESSES USING SIRNA, AMPHIPATHIC
COMPOUNDS AND POLYCATIONS**

Commissioner of Patents
PO Box 1450
Alexandria, VA 2231-1450

INFORMATIONAL STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. 1.56, applicant hereby calls to the attention of the Patent and Trademark Office the publications listed on the attached PTO 1449.

US patent

<u>Patent No.</u>	<u>Applicant</u>	<u>Issue date</u>
5,744,335	Wolff, Jon et al.	04/28/1998
6,180,784	Wolff, Jon et al.	01/30/2001

US application publication

<u>Publication No.</u>	<u>Applicant</u>	<u>Publication date</u>
US-2003-0143204	Lewis, David et al.	07/03/2003
US-2003-0125281	Lewis, David et al.	07/03/2003


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1. Bernstein et al., "Role for a bidentate ribonuclease in the initiation step of RNA interference," *Nature*; Jan. 2001, vol. 409, pp. 363-366
2. Caplen et al., "dsRNA-mediated gene silencing in cultured drosophila cells: a tissue culture model for the analysis of RNA interference," *Gene*; 2000, vol. 252, pp. 95-105
3. Caplen et al., "Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems," *PNAS*; 2001, vol. 98, no. 17.
4. Catalanotto et al., "Gene silencing in worms and fungi," *Nature*; Mar. 2000, vol. 404, p. 245
5. Clemens et al., "The double-stranded RNA-dependent protein kinase PKR: structure and function," *Journal of Interferon and Cytokine Research*; 1997, vol. 17, pp. 503-524
6. Elbashir et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells," *Nature*; May 2001, vol. 411, pp. 494-498
7. Elbashir et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs," *Genes and Development*; 2001, vol. 15, pp. 188-200
8. Fagard et al., "AGO1, QDE-2, and RDE-1 are related proteins required for post-transcriptional gene silencing in plants, quelling in fungi, and RNA interference in animals," *PNAS*; Oct. 2000, vol. 97, no. 21, pp. 11650-11654
9. Gao et al., "A novel cationic liposome reagent for efficient transfection of mammalian cells," *Biochemical and Biophysical Research Communications*; Aug. 1991, vol. 179, no. 1, pp. 280-285
10. Hamilton et al., "A species of small antisense RNA in posttranscriptional gene silencing in plants," *Science*; Oct. 1999, vol. 286, pp. 950-952
11. Hammond et al., "An RNA-directed nuclease mediates post-transcriptional gene silencing in drosophila cells," *Nature*; Mar. 2000, vol. 404, pp. 293-296
12. Hammond et al., "Post-transcriptional gene silencing by double-stranded RNA," *Nature*; Feb. 2001, vol. 2, pp. 110-119
13. Ketting et al., "mut-7 of *C. elegans*, required for transposon silencing and RNA interference, is a homolog of Werner syndrome helicase and RnaseD," *Cell*; Oct. 1999, vol. 99, pp. 133-141
14. Leventis et al., "Interactions of mammalian cells with lipid dispersions containing novel metabolizable cationic amphiphiles," *Biochimica et Biophysica Acta*; 1990, vol. 1023, pp. 124-132
15. Manche et al., "Interactions between double-stranded RNA regulators and the protein kinase DAI," *Molecular and Cellular Biology*; Nov. 1992, vol. 12, no. 11, pp. 5238-5248
16. Minks et al., "Structural requirements of Double-Stranded RNA for the activation of 2', 5'-oligo(A) polymerase and protein kinase of interferon-treated HeLa Cells," *The Journal of Biological Chemistry*; Oct. 1979, vol. 254, no. 30, pp. 10180-10183

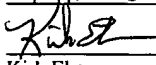
17. Parrish et al., "Functional anatomy of a dsRNA trigger: differential requirement for the two trigger strands in RNA interference," *Molecular Cell*; Nov. 2000, vol. 6, pp. 1077-1087
18. Player et al., "The 2-5 system: Modulation of Viral and cellular processes through acceleration of RNA degradation," *Pharmacol. Ther.*; 1998, vol. 78, no. 2, pp. 55-113
19. Reidhaar-Olson et al., "The impact of genomics tools on target discovery," *Current Drug Discovery*; Apr. 2001
20. Sharp "RNAi and double-strand RNA," *Genes and Development*; 1999, vol. 13, pp. 139-141
21. Sharp et al., "RNA-Interference-2001," *Genes and Development*; 2001, vol. 15, pp. 485-490.
22. Stark et al., "How cells respond to interferons," *Annu. Rev. Biochem.*; 1998, vol. 67, pp. 227-264
23. Summerton et al., "Morpholino and phosphorothioate antisense oligomers compared in cell-free and in-cell systems," *Antisense and Nucleic Acid Drug Development*; 1997, vol. 7, pp. 63-70
24. Svoboda et al., "Selective reduction of dormant maternal mRNAs in mouse oocytes by RNA interference," *Development*; 2000, vol. 127, pp. 4147-4156
25. Tabara et al., "The rde-1 gene, RNA interference, and transposon silencing in *C. elegans*," *Cell*; Oct. 1999, vol. 99, pp. 123-132
26. Tuschl et al., "Targeted mRNA degradation by double-stranded RNA in vitro," *Genes and Development*; 1999, vol. 13, pp. 3191-3197
27. Wianny et al., "Specific interference with gene function by double-stranded RNA in early mouse development," *Nature Cell Biology*; Feb. 2000, vol. 2, pp. 70-75
28. Yang et al., "Evidence that processed small dsRNAs may mediate sequence-specific mRNA degradation during in drosophila embryos," *Current Biology*; 2000, vol. 10, pp. 1191-1200
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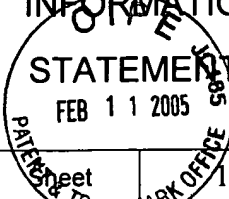
Applicant respectfully requests that these publications be expressly considered during the prosecution of this application and made of record herein and appear among the 'References Cited' on any patent to issue herefrom.

Respectfully submitted,



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I hereby certify that this correspondence is being sent by United States Postal Service mail to: Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450 on: <u>2/11/2005</u>  Kirk Ekena
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT 				Application Number	10/621,760
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				First Named Inventor	Lewis, David
				Art Unit	
				Examiner Name	
Sheet 1 of 2	Attorney Docket Number	Mirus.030.09.2			

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number – Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,744,335	04/28/1998	Wolff, Jon A. et al.	
		US-6,180,784	01/30/2001	Wolff, Jon A. et al.	
		US-2003-0143204	07/03/2003	Lewis, David et al.	
		US-2003-0125281	07/03/2003	Lewis, David et al.	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

Examiner Initials	Document Number	Publication Date	Country or Patent Office	Class	Sub Class	Transl. yes no	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.		T
		Bernstein et al., "Role for a bidentate ribonuclease in the initiation step of RNA interference," Nature; Jan. 2001, vol. 409, pp. 363-366	
		Caplen et al., "dsRNA-mediated gene silencing in cultured drosophila cells: a tissue culture model for the analysis of RNA interference," Gene; 2000, vol. 252, pp. 95-105	
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		Elbashir et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells," Nature; May 2001, vol. 411, pp. 494-498	
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		Fagard et al., "AG01, QDE-2, and RDE-1 are related proteins required for post-transcriptional gene silencing in plants, quelling in fungi, and RNA interference in animals," PNAS; Oct. 2000, vol. 97, no. 21, pp. 11650-11654	
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		Hamilton et al., "A species of small antisense RNA in posttranscriptional gene silencing in plants," Science; Oct. 1999, vol. 286, pp. 950-952	
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	RNA," Nature; Feb. 2001, vol. 2, pp. 110-119	
	Ketting et al., "mut-7 of C. elegans, required for transposon silencing and RNA interference, is a homolog of Werner syndrome helicase and RnaseD," Cell; Oct. 1999, vol. 99, pp. 133-141	
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Examiner Signature		Date Considered	
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